



## **GE Aircraft Engines Hires Clockwork Solutions**

*Austin, TX - January 31, 2003*

GE Aircraft Engines has contracted with Clockwork Solutions for services relating to ATLAST software upgrades and T700 engine fleet performance analysis. Over 6000 T700 series power turbine engines exist in the US Army inventory today. Some engines are aging, undergoing varieties of repair and support programs, while new engines are also being purchased every year. The mix of old and new components, varieties of operations and missions, and assortment of repair programs and capabilities make support requirements forecasting very complicated.

GE is implementing a Six Sigma program in partnership with the US Army Corpus Christi Army Depot. The effort is designed to reduce repair turnaround time and enhance the quality of repair. The ATLAST model is now being applied as a tool within that process. ATLAST is used to forecast life-cycle fleet performance metrics as a result of life-cycle sensitivities such as component aging, repair effectiveness, operations variability, reliability growth, and constraints within the maintenance and supply support functions.

Initial analysis will focus on the evaluation of readiness and cost impacts resulting from engine recapitalization program alternatives as well as determining the support necessary for continued operations of select aircraft in current military environments.

ATLAST was built on top of SPAR – Clockwork's modeling and simulation technology for predicting system behavior, reducing asset ownership cost and increasing performance. SPAR models are based on statistics and rules that define, at a detailed level, how elements of a system and its support infrastructure behave dynamically in time.

Clockwork looks forward to continuing its positive relationship with GE Aircraft Engines in support of Army Aviation Fleet Management.

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